

Patent Abstracts of Japan

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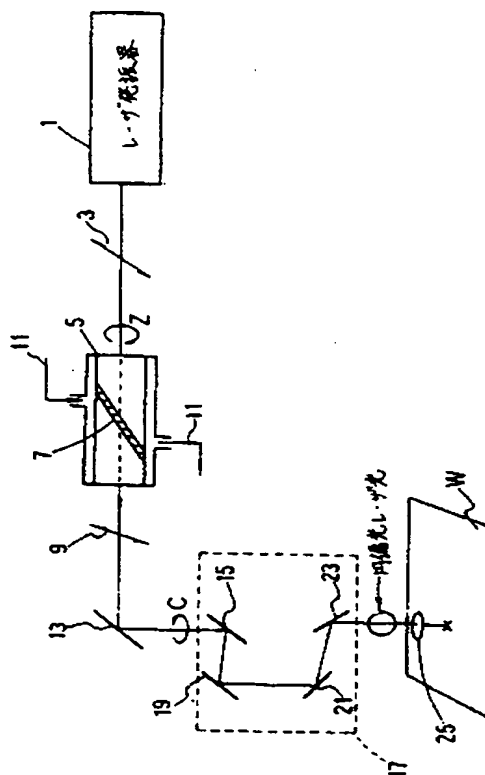
APPLICATION DATE : 19-11-84
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TITLE : METHOD AND APPARATUS FOR
MODULATING LASER OUTPUT



ABSTRACT : PURPOSE: To obtain a laser output having desired stable intensity by projecting linearly polarized laser beams to a Brewster window rotatably mounted centering around an incident optical axis at a Brewster angle, turning the Brewster window and modulating the intensity of transmitting laser beams.

CONSTITUTION: Laser beams 3 from a linearly polarized type laser oscillator 1 are outputted as linearly polarized beams having the predetermined direction of polarization, and projected to a laser-output modulator 5 revolving around a Z axis by a rotary mechanism mounted outside the oscillator 1 at a Brewster angle. The state of polarized beams projected to a Brewster window 7 in the modulator 5 is changed by the revolution of the window 7, and transmitting laser beams 9 are controlled. Accordingly, the intensity of a projecting laser can be varied while laser outputs from the laser oscillator are kept constant at all times, thus stably acquiring the laser having desired intensity.

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